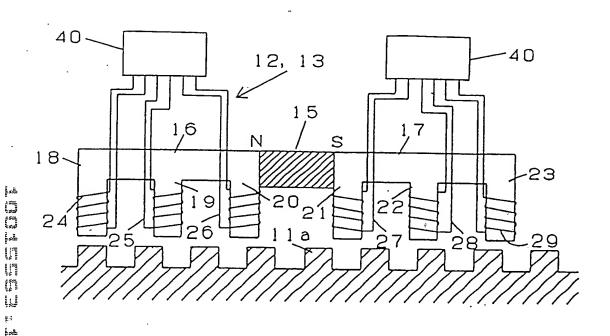
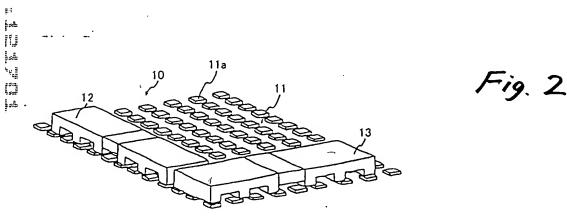


Fig. 1





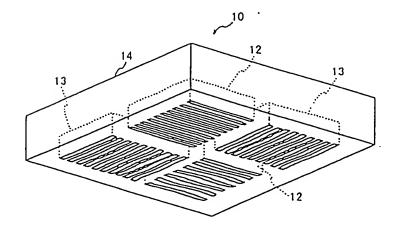


Fig. 3

Q67758 KOBAYASHI PACING GAME MACHINE iled: December 17, 2001 Darryl Mexic 202-293-7060 2 of 8

Fig. 4

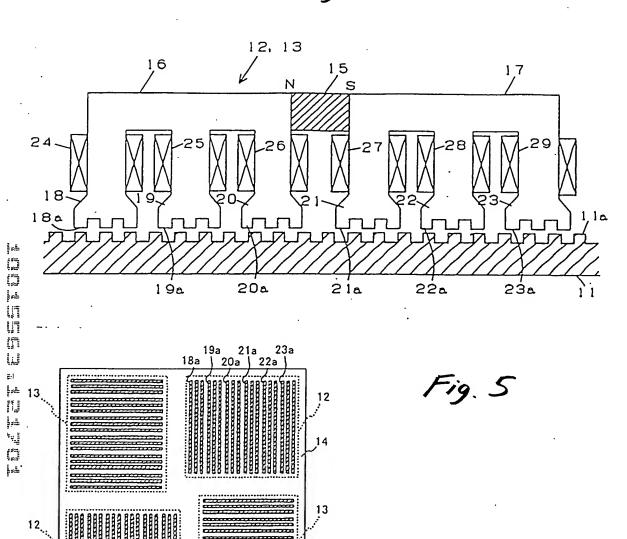
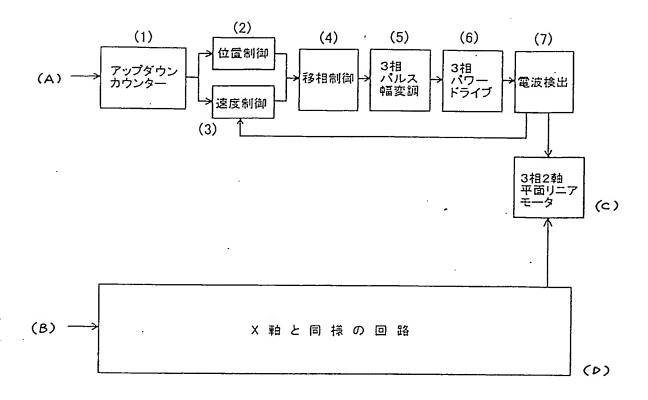


Fig. 6



- (1) up/down counter
- (2) position control

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- (3) speed control
- (4) phase control
- (5) three-phase pulse width modulation
- (6) three-phase power driving
- (7) current detection
- (A) X-direction motor driving instruction (pulse train or commands)
- (B) Y-direction motor driving instruction (pulse train or commands)
- (C) three-phase biaxial planar linear motor
- (D) same circuit as circuit for X-direction

Q67758 KOBAYASHI RACING GAME MACHINE Filed: December 17, 2001 Darryl Mexic 202-293-7060 4 of 8

-101 100 103 -83 電源供給 102 power supply **`**82 81 78 通信部 制御部 72 平面リニア モータ 90

75: planar linear motor

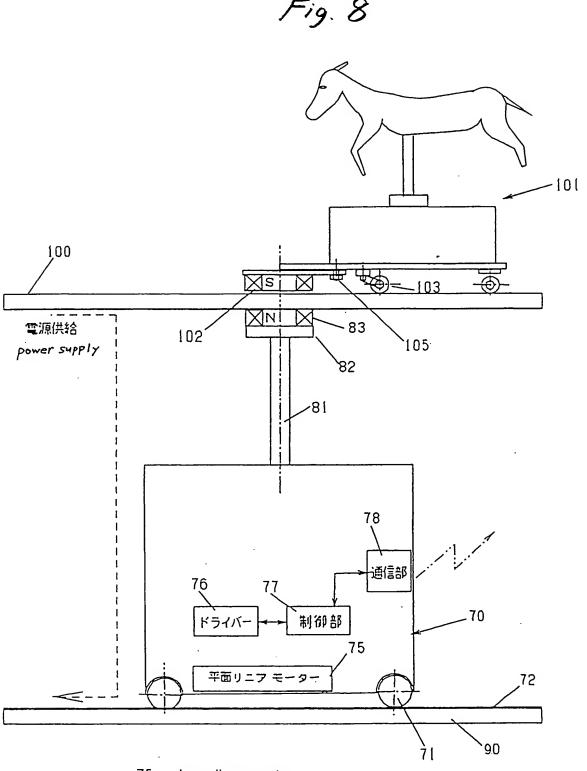
76: motor driver

77: controller

g:3

D. St. W. T. Hard Hard St. W. St. W.

78: communicator



75: planar linear motor

76: motor driver

77: controller

78: communicator

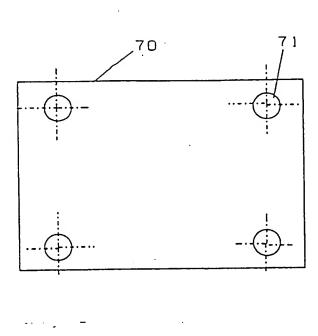
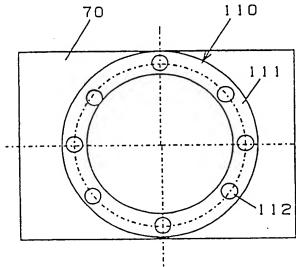


Fig. 9



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Fig. 10

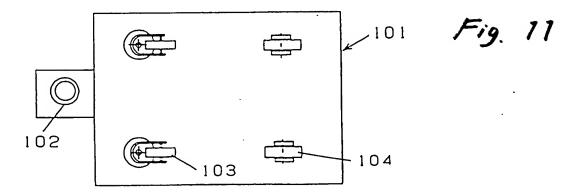
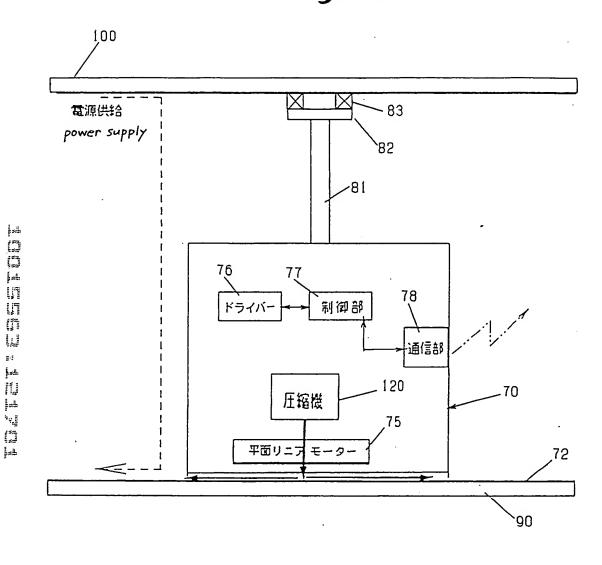


Fig. 12



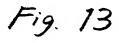
75: planar linear motor

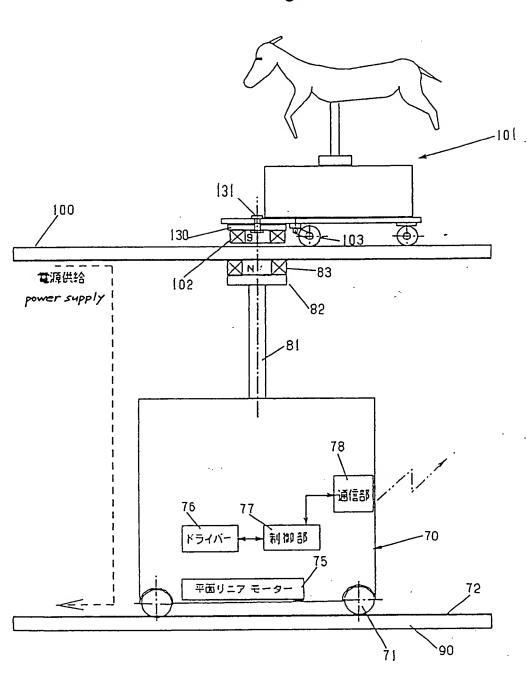
76: motor driver

77: controller

78: communicator

120: compressor





75: planar linear motor

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76: motor driver

77: controller

78: communicator